

1. (AMENDED) An isolated G protein coupled receptor protein which has ~~comprises~~ an amino acid sequence identical or at least 95% homologous to ~~the substantially identical to an~~ amino acid sequence ~~represented by~~ of SEQ ID NO: 1 or a salt thereof.

2. - 3. (CANCEL)

4. (AMENDED) An isolated polynucleotide ~~which comprises a polynucleotide having a base sequence~~ encoding for a ~~the~~ G protein coupled receptor protein according to claim 1.

5. (ORIGINAL) The polynucleotide according to claim 4, which is DNA.

6. (AMENDED) The polynucleotide according to claim 4, which has a polynucleotide base sequence of ~~represented by~~ SEQ ID NO:3 ~~or~~ ~~SEQ ID NO:4~~.

7. (ORIGINAL) A recombinant vector which comprises the polynucleotide according to claim 4.

8. (AMENDED) A transformant host cell transformed with the recombinant vector according to claim 7.

9. (AMENDED) A method for producing the G protein coupled receptor protein or a salt thereof according to claim 1, which comprises culturing a host cell, transformed with an expressible DNA vector encoding for the protein according to claim 1, under suitable conditions and for sufficient time ~~transformant according to claim 8~~ to produce the G protein coupled receptor protein according to claim 1.

10. - 14. (CANCEL)

15. (AMENDED) A method for determining a ligand for the G protein coupled receptor protein according to claim 1 or a salt thereof, which comprises **bringing a test compound in contact with** ~~using~~ the G protein coupled receptor protein according to claim 1 ~~or the partial peptide according to claim 3~~ or a salt thereof.

16. (CANCEL)

17. (AMENDED) A kit for screening a compound which alters binding of a ligand with the G protein coupled receptor protein or a salt thereof according to claim 1, or a salt thereof, which comprises the G protein coupled receptor of protein according to claim 1 ~~or the partial peptide according to claim 3~~ or a salt thereof, **and suitable packaging.**

18. - 20. (CANCEL),

21. (ORIGINAL) A polynucleotide comprising a base sequence complementary to the polynucleotide according to claim 4 or a part of the base sequence.

22. - 28. (CANCEL)